

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Peker et al.

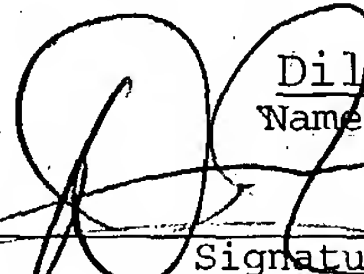
Title: VISUAL COMPLEXITY MEASURE FOR PLAYING VIDEOS
ADAPTIVELY

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INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
PO Box 1450
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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

X 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either:
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_____ the Certification under 37 CFR
1.97(e) as set out below; OR

_____ the fee of \$240.00 under 37 CFR
1.17(p).

___ 1.97(d) This Information Disclosure Statement is filed
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BUT before payment of the Issue Fee, AND is accompanied
by:

- (1) the Certification under 37 CFR 1.97(e) as
set out below; AND
- (2) Petition is hereby made under 37 CFR
1.97(d) for consideration of this
Information Disclosure Statement; AND,
- (3) Authorization to charge the petition fee
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

— each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

MERL-1468

Authorization is hereby given to charge the indicated fee(s)
to Deposit Account No. 50-0749.

Please charge any additional fee due for this paper to
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Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

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Enclosures

Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1468	Serial Number:
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			
		Applicant: Peker et al.	
		Filing date: July 10, 2003	Group art area:

U.S. PATENT DOCUMENTS

Exam- iner Initial	Patent number	Date	Name	Class	Sub- class	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	Hanjalic et al. in "An Integrated Scheme for Automated Video Abstraction Based on Unsupervised Cluster-Validity Analysis," IEEE Trans. On Circuits and Systems for Video Technology, Vol. 9, No. 8, December 1999
	Yeung et al., "Efficient matching and clustering of video shots," ICIP '95, pp. 338-341, 1995
	Zhong et al., "Clustering methods for video browsing and annotation," SPIE Storage and Retrieval for Image and Video Databases IV, pp. 239-246, 1996
	Ferman et al., "Efficient filtering and clustering methods for temporal video segmentation and visual summarization," J. Vis. Commun. & Image Rep., 9:336-351, 1998
	DeMenthon et al., "Video Summarization by Curve Simplification," ACM Multimedia 98, pp. 211-218, September 1998
	Divakaran et al., "Motion Activity based extraction of key frames from video shots," Proc. IEEE Int'l Conf. on Image Processing, September 2002
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	Divakaran et al., "Video summarization using descriptors of motion activity," Journal of Electronic Imaging, Vol. 10, No. 4, October 2001
	Peker et al., "Constant pace skimming and temporal sub-sampling of video using motion activity," Proc. IEEE Int'l Conf. on Image Processing, October 2001
	Watson et al., "Window of Visibility: a psychophysical theory of fidelity in time-sampled visual motion displays," J. Opt. Soc. Am. A, Vol. 3, No. 3, pp. 300-307, March 1986

Examiner:	Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	